Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	12/12/2016 10:32 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/29/2016 03:45 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124982	-1	5.11	124825	5.13
Blue	F	SSC	125000	124989	-1	3.80	125246	3.56
Blue	E	FITC	22946	22345	-3	2.64	998	10.03
Blue	D	PE	28770	28407	-2	2.26	1019	9.63
Blue	B	PerCP-Cy5-5	51099	50735	-1	3.74	1453	16.89
Blue	A	PE-Cy7	42312	42448	0	5.29	655	34.74
Red	C	APC	52169	51639	-2	2.91	2961	9.21
Red	A	APC-Cy7	56705	55929	-2	2.95	1157	11.12
Violet	B	V450	14708	14016	-5	5.09	669	11.14
Violet	A	V500	58608	56639	-4	4.85	2523	7.60

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16879	33.55	604	6	N/A	N/A	Pass
Blue	F	SSC	61720	1.64	533	15	N/A	N/A	Pass
Blue	E	FITC	109	39.30	537	6	0.0222	205	Pass
Blue	D	PE	221	28.41	535	9	0.1670	230	Pass
Blue	B	PerCP-Cy5-5	226	45.08	632	10	0.0103	106	Pass
Blue	A	PE-Cy7	71	120.80	681	10	0.0126	24	Pass
Red	C	APC	347	28.17	592	2	0.0225	184	Pass
Red	A	APC-Cy7	127	40.43	575	-1	0.0058	1805	Pass
Violet	B	V450	84	61.05	468	9	0.0453	5507	Pass
Violet	A	V500	184	40.37	498	10	0.0136	6015	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-30.67	-30.50	0.82
Blue	20.34	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.32
Red	15.69	13.27 - 19.91	N/A	N/A	30.96	31.19	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9500

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments